Civil Engineering Database Keyword Index

The **Civil Engineering Database (CEDB)** is designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1972. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2002 from a CEDB keyword list. The CEDB and keyword list can be accessed on the Web at *http://www.pubs.asce.org/cedbsrch.html*.

Abatement and removal

Visibility Improvements with Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 102-18 (2002).

Modeling of Airborne Debris around Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 119-37 (2002).

Aggregates

Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Alaska

Laboratory Study on Dispersant Effectiveness in Alaskan Seawater. — Daniel M. White, Ingegerd Ask, and Christina Behr-Andres; 16(1), 17-27 (2002).

Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Alluvial channels

Review of Alluvial-channel Responses to River Ice. — Robert Ettema; 16(4), 191-217 (2002).

Asphalt mixes

Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Biographies

Ice Adhesion to Locks and Dams: Past Work; Future Directions? — Susan Frankenstein and Andrew M. Tuthill; 16(2), 83-96 (2002).

Buildings, residential

Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Channels, waterways

Ice Boom Simulations and Experiments. — Mark A. Hopkins and Andrew M. Tuthill; 16(3), 138-55 (2002).

Climatology

Extreme-Value Climatology of Maximum Soil Freezing Depths in Contiguous United States. — Arthur T. DeGaetano and Daniel S. Wilks; 16(2), 51-71 (2002).

Cold regions

Impacts of Dam Removal on Riverine Ice Regime. — Kathleen D. White and Johnnie N. Moore; 16(1), 2-16 (2002).

Resilient Properties of Unbound Road Materials during Seasonal Frost Conditions. — Erik Simonsen, Vincent C. Janoo, and Ulf Isacsson; 16(1), 28-50 (2002).

Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

Civil Engineering Database Keyword Index

The **Civil Engineering Database (CEDB)** is designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1972. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2002 from a CEDB keyword list. The CEDB and keyword list can be accessed on the Web at *http://www.pubs.asce.org/cedbsrch.html*.

Abatement and removal

Visibility Improvements with Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 102-18 (2002).

Modeling of Airborne Debris around Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 119-37 (2002).

Aggregates

Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Alaska

Laboratory Study on Dispersant Effectiveness in Alaskan Seawater. — Daniel M. White, Ingegerd Ask, and Christina Behr-Andres; 16(1), 17-27 (2002).

Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Alluvial channels

Review of Alluvial-channel Responses to River Ice. — Robert Ettema; 16(4), 191-217 (2002).

Asphalt mixes

Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Biographies

Ice Adhesion to Locks and Dams: Past Work; Future Directions? — Susan Frankenstein and Andrew M. Tuthill; 16(2), 83-96 (2002).

Buildings, residential

Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Channels, waterways

Ice Boom Simulations and Experiments. — Mark A. Hopkins and Andrew M. Tuthill; 16(3), 138-55 (2002).

Climatology

Extreme-Value Climatology of Maximum Soil Freezing Depths in Contiguous United States. — Arthur T. DeGaetano and Daniel S. Wilks; 16(2), 51-71 (2002).

Cold regions

Impacts of Dam Removal on Riverine Ice Regime. — Kathleen D. White and Johnnie N. Moore; 16(1), 2-16 (2002).

Resilient Properties of Unbound Road Materials during Seasonal Frost Conditions. — Erik Simonsen, Vincent C. Janoo, and Ulf Isacsson; 16(1), 28-50 (2002).

Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

Compressive strength
Index for Estimating Physical and Mechanical Parameters of Model Ice. — Zhijun Li and Kaj Riska; 16(2), 72-82 (2002).

Dams
Impacts of Dam Removal on Riverine Ice Regime. — Kathleen D. White and Johnnie N. Moore; 16(1), 2-16 (2002).
Ice Adhesion to Locks and Dams: Past Work; Future Directions? — Susan Frankenstein and Andrew M. Tuthill; 16(2), 83-96 (2002).

Debris
Modeling of Airborne Debris around Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 119-37 (2002).

Dispersion
Laboratory Study on Dispersant Effectiveness in Alaskan Seawater. — Daniel M. White, Ingegerd Ask, and Christina Behr-Andres; 16(1), 17-27 (2002).

Flexural strength
Index for Estimating Physical and Mechanical Parameters of Model Ice. — Zhijun Li and Kaj Riska; 16(2), 72-82 (2002).

Flow resistance
Review of Alluvial-channel Responses to River Ice. — Robert Ettema; 16(4), 191-217 (2002).

Freeze-thaw
Resilient Properties of Unbound Road Materials during Seasonal Frost Conditions. — Erik Simonsen, Vincent C. Janoo, and Ulf Isacsson; 16(1), 28-50 (2002).

Freezing
Extreme-Value Climatology of Maximum Soil Freezing Depths in Contiguous United States. — Arthur T. DeGaetano and Daniel S. Wilks; 16(2), 51-71 (2002).
Index for Estimating Physical and Mechanical Parameters of Model Ice. — Zhijun Li and Kaj Riska; 16(2), 72-82 (2002).

Ice
Impacts of Dam Removal on Riverine Ice Regime. — Kathleen D. White and Johnnie N. Moore; 16(1), 2-16 (2002).
Index for Estimating Physical and Mechanical Parameters of Model Ice. — Zhijun Li and Kaj Riska; 16(2), 72-82 (2002).
Ice Adhesion to Locks and Dams: Past Work; Future Directions? — Susan Frankenstein and Andrew M. Tuthill; 16(2), 83-96 (2002).

Ice formation
Review of Alluvial-channel Responses to River Ice. — Robert Ettema; 16(4), 191-217 (2002).

Ice jams
Ice Boom Simulations and Experiments. — Mark A. Hopkins and Andrew M. Tuthill; 16(3), 138-55 (2002).

Indoor air pollution
Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Laboratory tests
Laboratory Study on Dispersant Effectiveness in Alaskan Seawater. — Daniel M. White, Ingegerd Ask, and Christina Behr-Andres; 16(1), 17-27 (2002).

Locks
Ice Adhesion to Locks and Dams: Past Work; Future Directions? — Susan Frankenstein and Andrew M. Tuthill; 16(2), 83-96 (2002).

Mathematical models
Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

Mechanical properties
Index for Estimating Physical and Mechanical Parameters of Model Ice. — Zhijun Li and Kaj Riska; 16(2), 72-82 (2002).

Models
Modeling of Airborne Debris around Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 119-37 (2002).
Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Morphology
Review of Alluvial-channel Responses to River Ice. — Robert Ettema; 16(4), 191-217 (2002).

Nonlinear analysis
Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

North Dakota
Extreme-Value Climatology of Maximum Soil Freezing Depths in Contiguous United States. — Arthur T. DeGaetano and Daniel S. Wilks; 16(2), 51-71 (2002).

Oil spills
Laboratory Study on Dispersant Effectiveness in Alaskan Seawater. — Daniel M. White, Ingegerd Ask, and Christina Behr-Andres; 16(1), 17-27 (2002).

Pavements
Resilient Properties of Unbound Road Materials during Seasonal Frost Conditions. — Erik Simonsen, Vincent C. Janoo, and Ulf Isacsson; 16(1), 28-50 (2002).

Polymers
Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Radon
Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Resilience
Resilient Properties of Unbound Road Materials during Seasonal Frost Conditions. — Erik Simonsen, Vincent C. Janoo, and Ulf Isacsson; 16(1), 28-50 (2002).

Retaining walls
Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

Rivers
Impacts of Dam Removal on Riverine Ice Regime. — Kathleen D. White and Johnnie N. Moore; 16(1), 2-16 (2002).
Review of Alluvial-channel Responses to River Ice. — Robert Ettema; 16(4), 191-217 (2002).

Seepage
Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

Simulation
Ice Boom Simulations and Experiments. — Mark A. Hopkins and Andrew M. Tuthill; 16(3), 138-55 (2002).

Snow
Visibility Improvements with Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 102-18 (2002).
Modeling of Airborne Debris around Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 119-37 (2002).

Soils
Extreme-Value Climatology of Maximum Soil Freezing Depths in Contiguous United States. — Arthur T. DeGaetano and Daniel S. Wilks; 16(2), 51-71 (2002).

South Dakota
Extreme-Value Climatology of Maximum Soil Freezing Depths in Contiguous United States. — Arthur T. DeGaetano and Daniel S. Wilks; 16(2), 51-71 (2002).

Subgrades
Resilient Properties of Unbound Road Materials during Seasonal Frost Conditions. — Erik Simonsen, Vincent C. Janoo, and Ulf Isacsson; 16(1), 28-50 (2002).

Temperature
Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

Three-dimensional models
Ice Boom Simulations and Experiments. — Mark A. Hopkins and Andrew M. Tuthill; 16(3), 138-55 (2002).

Triaxial tests
Resilient Properties of Unbound Road Materials during Seasonal Frost Conditions. — Erik Simonsen, Vincent C. Janoo, and Ulf Isacsson; 16(1), 28-50 (2002).

Ventilation

Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Visibility

Visibility Improvements with Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 102-18 (2002).

Author Index

Ask, Ingegerd
Laboratory Study on Dispersant Effectiveness in Alaskan Seawater. — Daniel M. White, Ingegerd Ask, and Christina Behr-Andres; 16(1), 17-27 (2002).

Behr-Andres, Christina
Laboratory Study on Dispersant Effectiveness in Alaskan Seawater. — Daniel M. White, Ingegerd Ask, and Christina Behr-Andres; 16(1), 17-27 (2002).

DeGaetano, Arthur T.
Extreme-Value Climatology of Maximum Soil Freezing Depths in Contiguous United States. — Arthur T. DeGaetano and Daniel S. Wilks; 16(2), 51-71 (2002).

Den, Xuejun
Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

Doering, J. C.
Closure to "Laboratory Study of Anchor Ice Growth" by J. C. Doering, L. E. Bekeris, M. P. Morris, K. E. Dow, and W. C. Girling. — J. C. Doering; 16(2), 99-100 (2002).

Ettema, Robert
Review of Alluvial-channel Responses to River Ice. — Robert Ettema; 16(4), 191-217 (2002).

Frankenstein, Susan
Ice Adhesion to Locks and Dams: Past Work; Future Directions? — Susan Frankenstein and Andrew M. Tuthill; 16(2), 83-96 (2002).

Hopkins, Mark A.
Ice Boom Simulations and Experiments. — Mark A. Hopkins and Andrew M. Tuthill; 16(3), 138-55 (2002).

Isacsson, Ulf
Resilient Properties of Unbound Road Materials during Seasonal Frost Conditions. — Erik Simonsen, Vincent C. Janoo, and Ulf Isacsson; 16(1), 28-50 (2002).

Janoo, Vincent C.
Resilient Properties of Unbound Road Materials during Seasonal Frost Conditions. — Erik Simonsen, Vincent C. Janoo, and Ulf Isacsson; 16(1), 28-50 (2002).

Johnson, Ron
Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Kempema, Edward W.
Discussion of "Laboratory Study of Anchor Ice Growth" by J. C. Doering, L. E. Bekeris, M. P. Morris, K. E. Dow, and W. C. Girling. — Edward W. Kempema; 16(2), 97-8 (2002).

Lai, Yuanming
Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

Li, Zhijun
Index for Estimating Physical and Mechanical Parameters of Model Ice. — Zhijun Li and Kaj Riska; 16(2), 72-82 (2002).

Liu, Songyu
Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

Minassian, George
Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Moore, Johnnie N.
Impacts of Dam Removal on Riverine Ice Regime. — Kathleen D. White and Johnnie N. Moore; 16(1), 2-16 (2002).

Nakhla, Hany K.
Visibility Improvements with Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 102-18 (2002).
Modeling of Airborne Debris around Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 119-37 (2002).

Raad, Lutfi
Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Riska, Kaj
Index for Estimating Physical and Mechanical Parameters of Model Ice. — Zhijun Li and Kaj Riska; 16(2), 72-82 (2002).

Ryer, John
Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Saboundjian, Stephan
Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).

Schmid, Jack
Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Seifert, Rich
Assessment of Indoor Air Quality in Interior Alaskan Homes. — Ron Johnson, Jack Schmid, and Rich Seifert; 16(4), 218-29 (2002).

Simonsen, Erik
Resilient Properties of Unbound Road Materials during Seasonal Frost Conditions. — Erik Simonsen, Vincent C. Janoo, and Ulf Isacsson; 16(1), 28-50 (2002).

Thompson, Brian E.
Visibility Improvements with Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 102-18 (2002).
Modeling of Airborne Debris around Overplow Deflectors during High-Speed Snowplowing. — Brian E. Thompson and Hany K. Nakhla; 16(3), 119-37 (2002).

Tuthill, Andrew M.
Ice Adhesion to Locks and Dams: Past Work; Future Directions? — Susan Frankenstein and Andrew M. Tuthill; 16(2), 83-96 (2002).
Ice Boom Simulations and Experiments. — Mark A. Hopkins and Andrew M. Tuthill; 16(3), 138-55 (2002).

White, Daniel M.
Laboratory Study on Dispersant Effectiveness in Alaskan Seawater. — Daniel M. White, Ingegerd Ask, and Christina Behr-Andres; 16(1), 17-27 (2002).

White, Kathleen D.
Impacts of Dam Removal on Riverine Ice Regime. — Kathleen D. White and Johnnie N. Moore; 16(1), 2-16 (2002).

Wilks, Daniel S.
Extreme-Value Climatology of Maximum Soil Freezing Depths in Contiguous United States. — Arthur T. DeGaetano and Daniel S. Wilks; 16(2), 51-71 (2002).

Wu, Ziwang
Nonlinear Analyses for Coupled Problem of Temperature and Seepage Fields in Cold Regions Retaining Walls. — Yuanming Lai, Ziwang Wu, Songyu Liu, and Xuejun Den; 16(3), 156-67 (2002).

Zubeck, Hannele
Performance of Polymer-Modified Asphalt-Aggregate Mixtures in Alaska. — Hannele Zubeck, Lutfi Raad, Stephan Saboundjian, George Minassian, and John Ryer; 16(4), 170-90 (2002).